Serial Number: ___10|00, 861B___   CRF Processing Date: __01|07|03__ 12/09
                                          Edited by: _____
                                          Verified by: ____DC____ (STIC staff)

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

ENTERED

_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:
_____

☑ Deleted extra, invalid, headings used by an applicant, specifically:
   "Software" in 4707, "ORGANISM:" in 4137 of Seq. 1 + 2

☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
   ☐ page numbers throughout text; ☐ other invalid text, such as_____ .

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:
_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:
_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☑ Other: Re-aligned amino numbering in Seq. 7 _____
_____
_____
_____

*Examiner: The above corrections must be communicated to the applicant in the first Office
            Action. DO NOT send a copy of this form.   3/1/95

OIPE

RAW SEQUENCE LISTING   DATE: 01/07/2003
PATENT APPLICATION: US/10/083,861B   TIME: 10:46:34

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01072003\J083861B .raw**

```
 3 <110> APPLICANT: Mahato, Ram I.
 4        Han, Sang-Oh
 5        Fergeson, Darin Y.
 7 <120> TITLE OF INVENTION: A Novel Cationic Lipopolymer as a Biocompatible Gene
Delivery Agent
 9 <130> FILE REFERENCE: T8948.CIP
11 <140> CURRENT APPLICATION NUMBER: US 10/083,861B
13 <141> CURRENT FILING DATE: 2002-02-25
15 <150> PRIOR APPLICATION NUMBER: US 09/662,511
16 <151> PRIOR FILING DATE: 2000-09-14
18 <160> NUMBER OF SEQ ID NOS: 7
20 <170> SOFTWARE: WordPerfect 8.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 21
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <221> NAME/KEY: Primer_bind
29 <223> OTHER INFORMATION: PCR primer
31 <400> SEQUENCE: 1
32 gtctcccaag gtcagcgttc c         21
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 21
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <221> NAME/KEY: Primer_bind
41 <223> OTHER INFORMATION: PCR primer
43 <400> SEQUENCE: 2
44 ctggtttggt cccgtgtgat g          21
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 21
50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <221> NAME/KEY: Primer_bind
55 <223> OTHER INFORMATION: PCR primer
57 <400> SEQUENCE: 3
58 atggtgggaa tgggtcagaa g          21
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 21
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
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```
 66 <221> NAME/KEY: Primer_bind
 67 <223> OTHER INFORMATION: PCR primer
 69 <400> SEQUENCE: 4
 70 cacgcagctc attgtagaag g          21
 72 <210> SEQ ID NO: 5
 73 <211> LENGTH: 18
 74 <212> TYPE: DNA
 75 <213> ORGANISM: Artificial Sequence
 77 <220> FEATURE:
 78 <221> NAME/KEY: Primer_bind
 79 <223> OTHER INFORMATION: PCR primer
 81 <400> SEQUENCE: 5
 82 gccaataggg actttcca           18
 84 <210> SEQ ID NO: 6
 85 <211> LENGTH: 21
 86 <212> TYPE: DNA
 87 <213> ORGANISM: Artificial Sequence
 89 <220> FEATURE:
 90 <221> NAME/KEY: Primer_bind
 91 <223> OTHER INFORMATION: PCR primer
 95 <400> SEQUENCE: 6
 96 ggtcatgtac tgggcataat g          21
 98 <210> SEQ ID NO: 7
 99 <211> LENGTH: 8
100 <212> TYPE: PRT
101 <213> ORGANISM: Artifical Sequence
103 <220> FEATURE:
104 <221> NAME/KEY: LIPID
105 <223> OTHER INFORMATION: RGD peptide with an N-terminus
107 <400> SEQUENCE: 7
108 Cys Arg Gly Asp Met Phe Gly Cys
109 1               5
```

C--> on line 101

VERIFICATION SUMMARY   DATE: 01/07/2003
PATENT APPLICATION: **US/10/083,861B**   TIME: 10:46:35

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01072003\J083861B .raw**

L:101 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7

OIPE

RAW SEQUENCE LISTING   DATE: 01/07/2003
PATENT APPLICATION: US/10/083,861B   TIME: 10:17:51

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF4\01072003\J083861B.raw

```
     3 <110> APPLICANT: Mahato, Ram I.
     4       Han, Sang-Oh
     5       Fergeson, Darin Y.
     7 <120> TITLE OF INVENTION: A Novel Cationic Lipopolymer as a Biocompatible Gene
Delivery Agent
     9 <130> FILE REFERENCE: T8948.CIP
    11 <140> CURRENT APPLICATION NUMBER: US 10/083,861B
    13 <141> CURRENT FILING DATE: 2002-02-25
    15 <150> PRIOR APPLICATION NUMBER: US 09/662,511
    16 <151> PRIOR FILING DATE: 2000-09-14
    18 <160> NUMBER OF SEQ ID NOS: 7
    20 <170> SOFTWARE: WordPerfect 8.0
```

ERRORED SEQUENCES

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    98 <210> SEQ ID NO: 7
    99 <211> LENGTH: 8
   100 <212> TYPE: PRT
C--> 101 <213> ORGANISM: Artifical Sequence
   103 <220> FEATURE:
   104 <221> NAME/KEY: LIPID
   105 <223> OTHER INFORMATION: RGD peptide with an N-terminus
   107 <400> SEQUENCE: 7
   108 Cys Arg Gly Asp Met Phe Gly Cys
E--> 109 1                      5
```

VERIFICATION SUMMARY   DATE: 01/07/2003
PATENT APPLICATION: **US/10/083,861B**   TIME: 10:17:52

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF4\01072003\J083861B.raw**

L:101 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:109 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:7

SEQUENCE LISTING

Does Not Comply
~~~~~~ ~~ Needed

<110>   Mahato, Ram I.
         Han, Sang-Oh
         Fergeson, Darin Y.

<120>   A Novel Cationic Lipopolymer as a Biocompatible Gene Delivery Agent

<130>   T8948.CIP

<140>   US 10/083,861

<141>   2002-02-25

<150>   US 09/662,511
<151>   2000-09-14

<160>   7   _delete_

<170>   (SOFTWARE:) WordPerfect 8.0

<210>   1
<211>   21
<212>   DNA   _delete_
<213>   (ORGANISM:) Artificial Sequence

<220>
<221>   Primer_bind
<223>   PCR primer

<400>   1
gtctcccaag gtcagcgttc c   21

<210>   2
<211>   21
<212>   DNA   _delete_
<213>   (ORGANISM:) Artificial Sequence

<220>
<221>   Primer_bind
<223>   PCR primer

<400>   2
ctggtttggt cccgtgtgat g   21

<210> 3

<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<221>   Primer_bind
<223>   PCR primer

<400>   3
atggtgggaa tgggtcagaa g   21

<210> 4
<211>   21
<212>   DNA
<213>   Artificial Sequence

<220>
<221>   Primer_bind
<223>   PCR primer

<400>   4
cacgcagctc attgtagaag g   21

<210> 5
<211>   18
<212>   DNA
<213>   Artificial Sequence

<220>
<221>   Primer_bind
<223>   PCR primer

<400>   5
gccaataggg actttcca   18

<210> 6
<211>   21
<212>   DNA
<213>   Artificial Sequence

<220>
<221>   Primer_bind
<223>   PCR primer

<400>   6

ggtcatgtac tgggcataat g   21

<210> 7
<211> 8
<212> PRT
<213> Artifical Sequence

<220>
<221>   LIPID
<223>   RGD peptide with an N-terminus

<400> 7
Cys Arg Gly Asp Met Phe Gly Cys
1   5